



DQA: \_\_\_\_\_ Date: \_\_\_\_\_

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: Date:

| Work Order: _____  |  |  | DISPOSITION                        |   |                                    | AGAINST DEPARTMENT/PROCESS  |             |              |              |   |  |
|--|--|--|------------------------------------|---|------------------------------------|---|-------------|--------------|--------------|---|--|
| Part No. _____   | Rework <input type="checkbox"/>            | Scrap <input type="checkbox"/>         | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/>  | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/>  |             |              |              |   |  |
| NCR No. _____  | Use-as-is <input type="checkbox"/>         | Thermoforming <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/>   | Quality <input type="checkbox"/>   | Quality <input type="checkbox"/>  |             |              |              |   |  |
|  | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/>     | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/>  | Other <input type="checkbox"/>     | Other <input type="checkbox"/>  |             |              |              |   |  |
| Root Cause   | Date                                       | Step                                   | Qty                                | Description of work order update or Non-conformance   | Initial Chief Eng                  | Action Description  | Sign & Date | Verification | QC Inspector |   |  |
| Doc/Data   |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Equip/Tooling  |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Operator   |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Material   |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Setup  |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Other  |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Process  |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Supplier   |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Training   |  |  |                                    |   |                                    |   |             |              |              |   |  |
| Unapproved   |  |  |                                    |   |                                    |   |             |              |              |   |  |
| FAULT CATEGORY   |  |  |                                    |   |                                    |   |             |              |              |   |  |
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped.<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |  |  |                                    | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio |                                    | <input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |             |              |              | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><hr/><br><hr/><br><hr/> |  |
|  |  |  |                                    |   |                                    |   |             |              |              | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled   |  |
|  |  |  |                                    |   |                                    |   |             |              |              | <input type="checkbox"/> Other  |  |

**Work Order ID 107950**

October-07-13 9:03:00 AM

**\*107950\***

Page 2

**Item ID:** D2939-2**Accept****\*N900040100\*****Setup Start****\*NS1\*****Revision ID:****Item Name:** 206 Saddle**Stop****\*NS2\*****Start Date:** 10/07/13    **Start Qty:** 4.00**\*4\*****Cust Item ID:****Required Date:** 10/07/13    **Req'd Qty:** 4.00**\*4\*****Customer:****Reference:****Approvals:****Process Plan:****Date:****Tooling:****Date:****Run Start****\*NR1\*****QC:****Date:****SPC (Y/N):****Date:****Stop****\*NR2\*****Sequence ID/  
Work Center ID****Operation  
Description****Set Up/  
Run Hours****Tool ID****Tool #****Plan  
Code****Accept  
Qty****Reject  
Qty****Reject  
Number****Insp.  
Stamp**

130

QC8- Inspect parts - second check

0.00

*SD*

13-10-13

*4***\*130\***

QC

**Memo**

0.00

Quality Control

140

Chemical Conversion Coat per QSI005 4.1

0.00

*4**10/13/13***\*140\***

HandFinish

**Memo**

0.00

Hand Finishing

150

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00

*4**10/13/13***\*150\***

Powdercoat

**Memo**

0.00

Powder Coating

**START TIME:***8:20***OVEN TEMPERATURE:****FINISH TIME:***8:00***DAS  
34****9-89**

NCR: Yes / No

## **WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: Date:

QA Closed: Date:

| Work Order: _____            |  |                |      | DISPOSITION                                       |  | AGAINST DEPARTMENT/PROCESS                       |  |                                 |              |              |  |
|------------------------------|--|----------------|------|---|--|--|--|---------------------------------|--------------|--------------|--|
|                              |  |                |      | Rework<br>Scrap<br>Use-as-is<br>Work Order Update | Skid-tube<br>Machining<br>Thermoforming<br>Large Fab | Crosstube<br>Small Fab<br>Finishing<br>Composite | Water Jet<br>Prod. Eng. Coor.<br>Rec/Store/Packaging<br>Supplier | Engineering<br>Quality<br>Other |              |              |  |
| Part No. _____               |  |                |      |   |  |  |  |                                 |              |              |  |
| NCR No. _____                |  |                |      |   |  |  |  |                                 |              |              |  |
| Root Cause                   |  | Date           | Step | Qty   | Description of work order update or Non-conformance  | Initial Chief Eng                                | Action Description   | Sign & Date                     | Verification | QC Inspector |  |
| Doc/Data                     |  |                |      |   |  |  |  |                                 |              |              |  |
| Equip/Tooling                |  |                |      |   |  |  |  |                                 |              |              |  |
| Operator                     |  |                |      |   |  |  |  |                                 |              |              |  |
| Material                     |  |                |      |   |  |  |  |                                 |              |              |  |
| Setup                        |  |                |      |   |  |  |  |                                 |              |              |  |
| Other                        |  |                |      |   |  |  |  |                                 |              |              |  |
| Process                      |  |                |      |   |  |  |  |                                 |              |              |  |
| Supplier                     |  |                |      |   |  |  |  |                                 |              |              |  |
| Training                     |  |                |      |   |  |  |  |                                 |              |              |  |
| Unapproved                   |  |                |      |   |  |  |  |                                 |              |              |  |
| FAULT CATEGORY               |  |                |      |   |  |  |  |                                 |              |              |  |
| Landing Gear                 |  |                |      | General   |  |  |  |                                 |              |              |  |
| Bending                      |  | Bend           |      | Grain   |  | Ovalized   |  | Pressure/Forced                 |              |              |  |
| Centre Not Concentric to O/S |  | BOM/Route      |      | Hardware  |  | Over/Under tolerance                             |  | Temperature/Cure                |              |              |  |
| Cracks                       |  | Broken/Damaged |      | Inspection Incomplete                             |  | Part Incorrect                                   |  | Weld                            |              |              |  |
| Crushed/Crimped              |  | Burrs          |      | Instructions Incomplete/Unclear                   |  | Part Lost/Missing                                |  | Wrong Stock Pulled              |              |              |  |
| Cuffs                        |  | Contamination  |      | Maintenance                                       |  | Part Moved                                       |  |                                 |              |              |  |
| Heat Treat                   |  | Countersink    |      | Mislabeled  |  | Positioned Wrong                                 |  |                                 |              |              |  |
| Inspection Strip in Tube     |  | Cut Too Short  |      | Misread   |  | Power Loss/Surge                                 |  |                                 |              |              |  |
| Ripples in Bend              |  | Drill Holes    |      | Offset  |  |  |  |                                 |              |              |  |
| Torque Waves in Extrusion    |  | Drawing        |      | Out of Calibration                                |  |  |  |                                 |              |              |  |
| Turning Sequence             |  | Finish         |      | Out of Sequence                                   |  |  |  |                                 |              |              |  |
| Wave/Twist in Tube           |  | Folio          |      | Outside Dimensions                                |  |  |  |                                 |              |              |  |

**Work Order ID 107950**

October-07-13 9:03:00 AM

**\*107950\***

Page 3

**Item ID:** D2939-2

Accept

**\*N900040100\***

Setup

Start

**\*NS1\***

**Revision ID:**

Stop

**\*NS2\***

**Item Name:** 206 Saddle

**Start Date:** 10/07/13    **Start Qty:** 4.00

**\*4\***

**Cust Item ID:**

**Required Date:** 10/07/13    **Req'd Qty:** 4.00

**\*4\***

**Customer:**

**Reference:**

**Approvals:**

**Process Plan:**

**Date:**

**Tooling:**

**Date:**

Run

Start

**\*NR1\***

**QC:**

**Date:**

**SPC (Y/N):**

**Date:**

Stop

**\*NR2\***

**Sequence ID/  
Work Center ID**

**Operation  
Description**

**Set Up/  
Run Hours**

**Tool ID**

**Tool #**

**Plan  
Code**

**Accept  
Qty**

**Reject  
Qty**

**Reject  
Number**

**Insp.  
Stamp**

160

QC3- Inspect Part Finish

0.00

DAS  
27  
9-89

B106

4

**\*160\***

QC

Quality Control

170

Identify as per dwg & Stock Location: ST438

0.00

DAS  
28  
9-89

4X

DAS  
28  
9-89

13-10-16

**\*170\***

Packaging

Packaging

180

QC21- Final Inspection - Work Order Release

0.00

BB-10-17

**\*180\***

QC

Quality Control

BB-10-17

NCR: Yes / No

## **WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: Date:

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| Work Order: _____            |                          |                |                          | DISPOSITION   |  | AGAINST DEPARTMENT/PROCESS   |  |   |              |              |  |
|------------------------------|--------------------------|----------------|--------------------------|---|--|--|--|---|--------------|--------------|--|
|                              |                          |                |                          | Rework<br><input type="checkbox"/><br>Scrap<br><input type="checkbox"/><br>Use-as-is<br><input type="checkbox"/><br>Work Order Update<br><input type="checkbox"/> | Skid-tube<br><input type="checkbox"/><br>Machining<br><input type="checkbox"/><br>Thermoforming<br><input type="checkbox"/><br>Large Fab<br><input type="checkbox"/> | Crosstube<br><input type="checkbox"/><br>Small Fab<br><input type="checkbox"/><br>Finishing<br><input type="checkbox"/><br>Composite<br><input type="checkbox"/> | Water Jet<br><input type="checkbox"/><br>Prod. Eng. Coor.<br><input type="checkbox"/><br>Rec/Store/Packaging<br><input type="checkbox"/><br>Supplier<br><input type="checkbox"/> | Engineering<br><input type="checkbox"/><br>Quality<br><input type="checkbox"/><br>Other<br><input type="checkbox"/> |              |              |  |
| Part No. _____               |                          | NCR No. _____  |                          |   |  |  |  |   |              |              |  |
| Root Cause                   |                          | Date           | Step                     | Qty   | Description of work order update or Non-conformance  | Initial Chief Eng  | Action Description   | Sign & Date   | Verification | QC Inspector |  |
| Doc/Data                     | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Equip/Tooling                | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Operator                     | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Material                     | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Setup                        | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Other                        | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Process                      | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Supplier                     | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Training                     | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| Unapproved                   | <input type="checkbox"/> |                |                          |   |  |  |  |   |              |              |  |
| FAULT CATEGORY               |                          |                |                          |   |  |  |  |   |              |              |  |
| Landing Gear                 |                          |                | General                  |   |  |  |  |   |              |              |  |
| Bending                      | <input type="checkbox"/> | Bend           | <input type="checkbox"/> | Grain   | <input type="checkbox"/>   | Ovalized   | <input type="checkbox"/>   | Pressure/Forced   |              |              |  |
| Centre Not Concentric to O/S | <input type="checkbox"/> | BOM/Route      | <input type="checkbox"/> | Hardware  | <input type="checkbox"/>   | Over/Under tolerance   | <input type="checkbox"/>   | Temperature/Cure  |              |              |  |
| Cracks                       | <input type="checkbox"/> | Broken/Damaged | <input type="checkbox"/> | Inspection Incomplete   | <input type="checkbox"/>   | Part Incorrect   | <input type="checkbox"/>   | Weld  |              |              |  |
| Crushed/Crimped.             | <input type="checkbox"/> | Burrs          | <input type="checkbox"/> | Instructions Incomplete/Unclear   | <input type="checkbox"/>   | Part Lost/Missing  | <input type="checkbox"/>   | Wrong Stock Pulled  |              |              |  |
| Cuffs                        | <input type="checkbox"/> | Contamination  | <input type="checkbox"/> | Maintenance   | <input type="checkbox"/>   | Part Moved   | <input type="checkbox"/>   |   |              |              |  |
| Heat Treat                   | <input type="checkbox"/> | Countersink    | <input type="checkbox"/> | Mislabeled  | <input type="checkbox"/>   | Positioned Wrong   | <input type="checkbox"/>   |   |              |              |  |
| Inspection Strip in Tube     | <input type="checkbox"/> | Cut Too Short  | <input type="checkbox"/> | Misread   | <input type="checkbox"/>   | Power Loss/Surge   | <input type="checkbox"/>   |   |              |              |  |
| Ripples in Bend              | <input type="checkbox"/> | Drill Holes    | <input type="checkbox"/> | Offset  | <input type="checkbox"/>   | Other  | <input type="checkbox"/>   |   |              |              |  |
| Torque Waves in Extrusion    | <input type="checkbox"/> | Drawing        | <input type="checkbox"/> | Out of Calibration  | <input type="checkbox"/>   |  | <input type="checkbox"/>   |   |              |              |  |
| Turning Sequence             | <input type="checkbox"/> | Finish         | <input type="checkbox"/> | Out of Sequence   | <input type="checkbox"/>   |  | <input type="checkbox"/>   |   |              |              |  |
| Wave/Twist in Tube           | <input type="checkbox"/> | Folio          | <input type="checkbox"/> | Outside Dimensions  | <input type="checkbox"/>   |  | <input type="checkbox"/>   |   |              |              |  |

# Picklist Print

October-07-13 9:03:00 AM

Page 1

Work Order ID: 107950

Parent Item: D2939-2

Parent Item Name: 206 Saddle

Start Date: 10/07/13

Required Date: 10/07/13

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP: B 00.06.26 New DWG rev (mpp 2069)EC

IPP Rev:C As per Rev C 07-03-19 JLM

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| D6101-001<br>Saddle Billet      |                        | Manufactured  | No          |                     |                  | 100             | Each               | 16.0000        | 1           | 4            | 4             | 8/13-10-11     |        |

| Location | Loc Oty | Loc Code |
|----------|---------|----------|
| MAT042   | 16      |          |
| 103637   | 3       |          |
| 97239    | 13      | 4        |

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: Date:

| Work Order: _____  |      |      | <b>DISPOSITION</b>                         |  | <b>AGAINST DEPARTMENT/PROCESS</b>  |  |                                      |              |              |  |
|--|------|------|--|--|------------------------------------|--|--------------------------------------|--------------|--------------|--|
|  |      |      | Rework <input type="checkbox"/>            | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/>           | Engineering <input type="checkbox"/> |              |              |  |
|  |      |      | Scrap <input type="checkbox"/>             | Machining <input type="checkbox"/>   | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/>    | Quality <input type="checkbox"/>     |              |              |  |
|  |      |      | Use-as-is <input type="checkbox"/>         | Thermoforming <input type="checkbox"/>   | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/>       |              |              |  |
|  |      |      | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/>   | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/>            |                                      |              |              |  |
| Root Cause   | Date | Step | Qty  | Description of work order update or Non-conformance  | Initial Chief Eng                  | Action Description                           | Sign & Date                          | Verification | QC Inspector |  |
| Doc/Data   |      |      |  |  |                                    |  |                                      |              |              |  |
| Equip/Tooling  |      |      |  |  |                                    |  |                                      |              |              |  |
| Operator   |      |      |  |  |                                    |  |                                      |              |              |  |
| Material   |      |      |  |  |                                    |  |                                      |              |              |  |
| Setup  |      |      |  |  |                                    |  |                                      |              |              |  |
| Other  |      |      |  |  |                                    |  |                                      |              |              |  |
| Process  |      |      |  |  |                                    |  |                                      |              |              |  |
| Supplier   |      |      |  |  |                                    |  |                                      |              |              |  |
| Training   |      |      |  |  |                                    |  |                                      |              |              |  |
| Unapproved   |      |      |  |  |                                    |  |                                      |              |              |  |
| <b>FAULT CATEGORY</b>  |      |      |  |  |                                    |  |                                      |              |              |  |
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped.<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |      |      |  | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |                                    |  |                                      |              |              |  |
|  |      |      |  | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><input type="checkbox"/> Other   |                                    |  |                                      |              |              |  |
|  |      |      |  |  |                                    |  |                                      |              |              |  |
|  |      |      |  |  |                                    |  |                                      |              |              |  |
|  |      |      |  |  |                                    |  |                                      |              |              |  |

|  |  |  |              |         |
|--|--|--|--------------|---------|
| DART AEROSPACE LTD                           |  |  | Work Order:  | 107950  |
| Description: 206 Saddle, Inboard, Right side |  |  | Part Number: | D2939-2 |
| Inspection Dwg: D2939 Rev: C DSK: Rev:       |  |  | Page 1 of 1  |         |

### FIRST ARTICLE INSPECTION DIMENSION SHEET

First Article  Prototype

| Dim | Min   | Max   | Go/No Go Gauge | Record Actual Dimensions |       |       |       |   |
|-----|-------|-------|----------------|--------------------------|-------|-------|-------|---|
|     |       |       |                | 1                        | 2     | 3     | 4     | 5 |
| A   | 0.100 | 0.140 |                | .126                     | .126  | .126  | .128  |   |
| B   | 0.100 | 0.140 |                | .127                     | .127  | .127  | .128  |   |
| C   | 0.100 | 0.140 |                | .123                     | .125  | .125  | .123  |   |
| D   | 0.210 | 0.230 |                | .223                     | .223  | .223  | .223  |   |
| E   | 1.245 | 1.255 |                | 1.250                    | 1.250 | 1.250 | 1.250 |   |
| F   | 1.245 | 1.255 |                | 1.250                    | 1.250 | 1.250 | 1.250 |   |
| G   | 2.495 | 2.505 |                | 2.500                    | 2.500 | 2.500 | 2.500 |   |
| H   | 0.510 | 0.515 |                | .512                     | .512  | .512  | .512  |   |
| I   | 1.572 | 1.582 |                | 1.578                    | 1.578 | 1.578 | 1.578 |   |
| J   | 2.495 | 2.505 |                | 2.500                    | 2.500 | 2.500 | 2.500 |   |
| K   | 0.257 | 0.262 |                | .260                     | .260  | .260  | .260  |   |
| L   | 0.312 | 0.317 |                | .314                     | .314  | .314  | .314  |   |
| M   | 0.235 | 0.240 |                | .237                     | .237  | .237  | .234  |   |
| N   | 0.100 | 0.140 |                | .120                     | .120  | .120  | .120  |   |
| O   | 0.540 | 0.560 |                | .548                     | .547  | .547  | .547  |   |
| P   | 0.490 | 0.510 |                | .500                     | .500  | .500  | .500  |   |
| Q   | 3.715 | 3.725 |                | 3.720                    | 3.720 | 3.720 | 3.720 |   |
| R   | 2.720 | 2.760 |                | 2.738                    | 2.738 | 2.738 | 2.738 |   |
| S   | 0.240 | 0.270 |                | .253                     | .254  | .254  | .254  |   |
| T   | 0.100 | 0.180 |                | .135                     | .135  | .135  | .138  |   |
| U   | 1.625 | 1.635 |                | 1.630                    | 1.630 | 1.630 | 1.630 |   |
| V   | 1.362 | 1.372 |                | 1.367                    | 1.367 | 1.367 | 1.367 |   |
| W   | 0.316 | 0.321 |                | .317                     | .317  | .317  | .317  |   |
| X   | 1.250 | 1.270 |                | 1.260                    | 1.259 | 1.260 | 1.260 |   |
| Y   | 1.565 | 1.585 |                | 1.5767                   | 1.570 | 1.573 | 1.573 |   |
| Z   | 0.178 | 0.198 |                | .188                     | .188  | .188  | .188  |   |
| AA  |       |       |                |                          |       |       |       |   |
| AB  |       |       |                |                          |       |       |       |   |
| AC  |       |       |                |                          |       |       |       |   |
| AD  |       |       |                |                          |       |       |       |   |

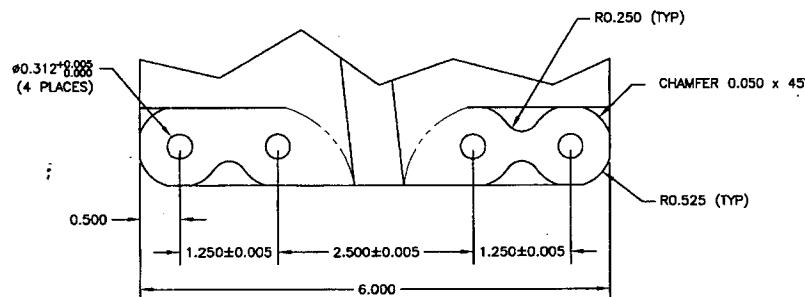
Accept/Reject

Measured by: *SL 10/11* Date: 13-10-11

Audited by: *SA* Date: 13-10-11

Prototype Approval: N/A Date: N/A

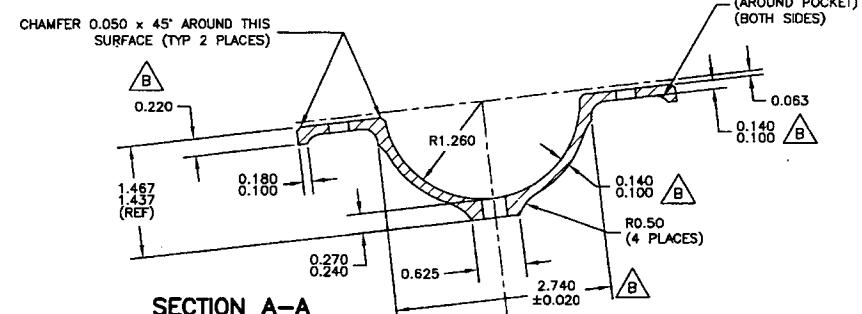
| Rev | Date     | Change   | Revised by         | Approved  |
|-----|----------|--|--------------------|-----------|
| A   |          | New Issue  | RF                 |           |
| B   | 02.12.12 | Re-format; Added Dim. X-Y, DT8683, DT8686, DT8690 & DT8695 A/B | KJ/RF              |           |
| C   | 07.03.21 | Revised per drawing revision C                                 | KJ/JLM             |           |
| D   | 07.11.23 | DT8695 A/B removed   | KJ/EC/DD <i>JK</i> | <i>JK</i> |



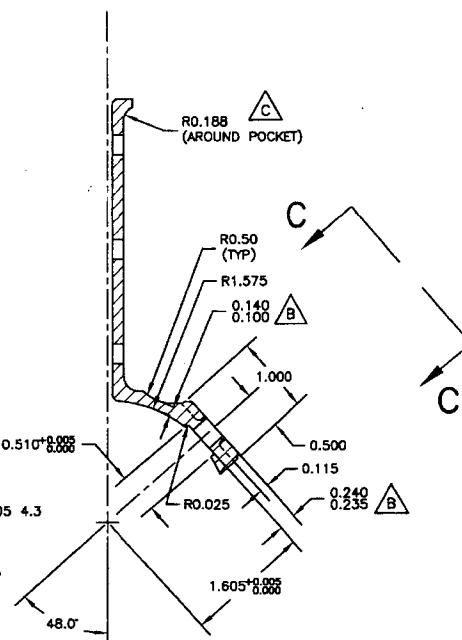
VIEW C-C

**D2939-1 LH SADDLE (SHOWN)**

D2939-2 RH SADDLE (OPPOSITE)

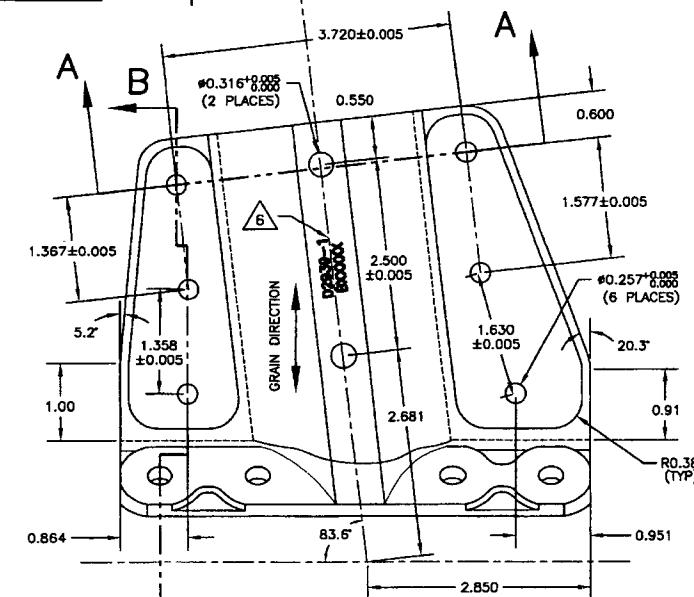


SECTION A-A



SECTION B-B

- NOTES:**
- 1) MATERIAL: ALUMINUM 7075-T7351 (QQ-A-250/12)  
(MAKE FROM D6101-001 SADDLE BILLET, 7075)
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
  - 3) BREAK ALL SHARP EDGES 0.010 TO 0.020
  - 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 5) ALL DIMENSIONS ARE INCHES
  - 6) ENGRAVE PART AND BATCH NUMBER IN THIS AREA 0.010 TO 0.015 DEEP



|   |          |                               |
|---|----------|-------------------------------|
| C | 06.11.09 | R0.188 WAS R0.30 TO R0.25     |
| B | 00.05.29 | CHANGED GEOMETRY AND MATERIAL |
| A | 99.11.12 | NEW ISSUE                     |

|          |          |               |                          |
|----------|----------|---------------|--------------------------|
| DESIGN   | DRAWN BY | DART          | DART AEROSPACE USA, INC. |
|          | CB       |               | BELLEVUE, WA             |
| CHECKED  | APPROVED | DRAWING NO.   | REV. C                   |
| PH       | JK       | D2939         | SHEET 1 OF 1             |
| DATE     |          | TITLE         | SCALE                    |
| 06.11.09 |          | SADDLE INSIDE | 2:3                      |

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107950 MLJ  
13-10-09